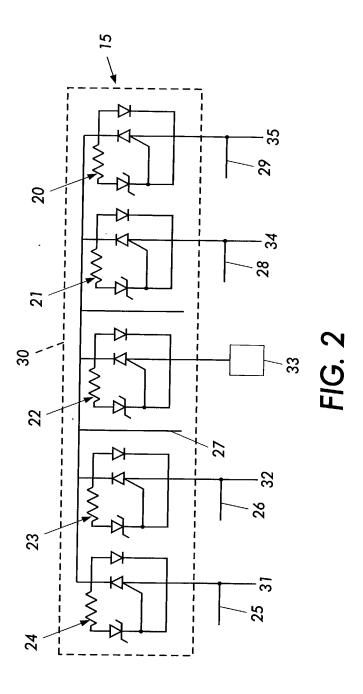
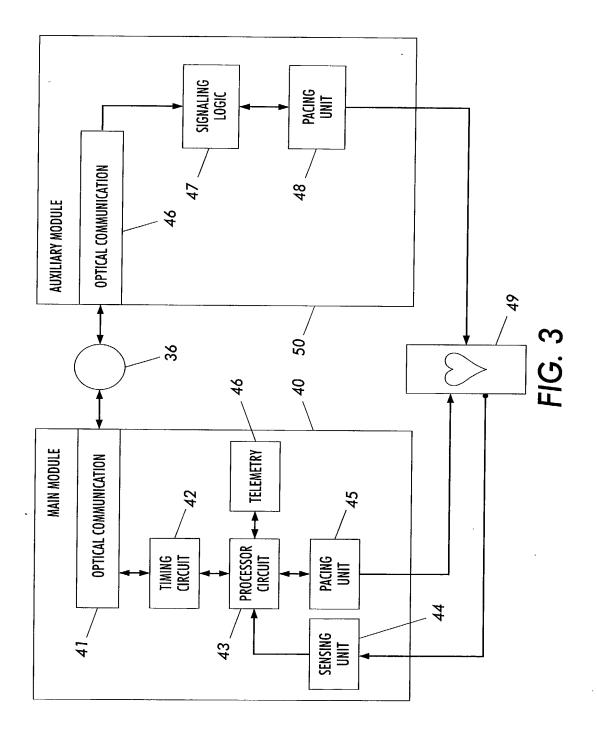
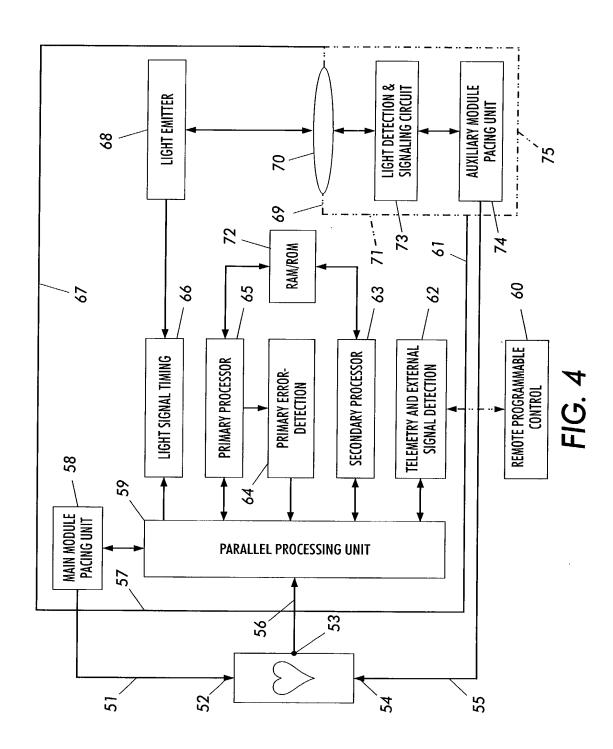


FIG. 1

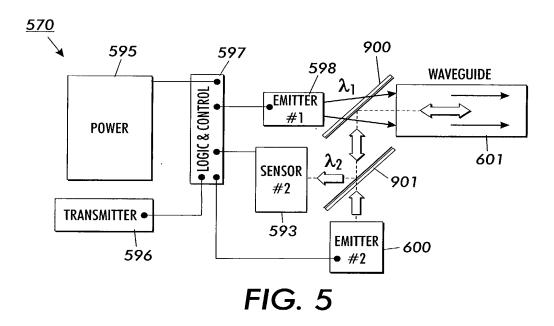


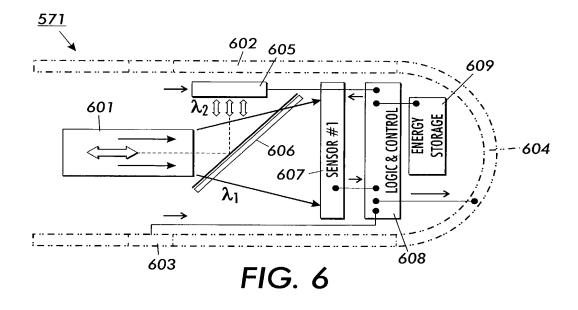
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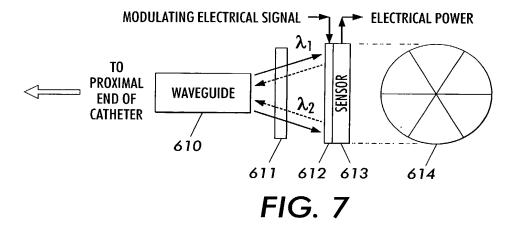


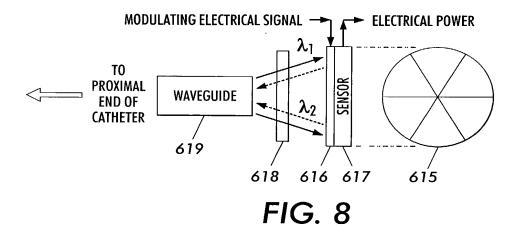


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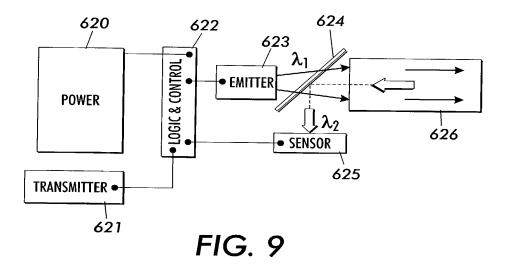


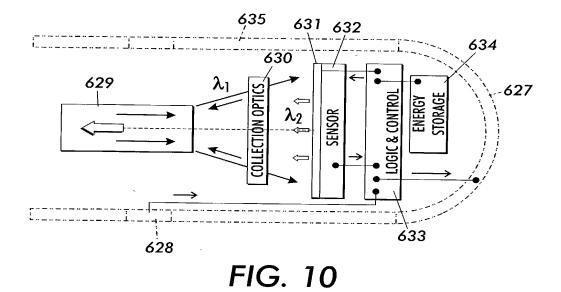






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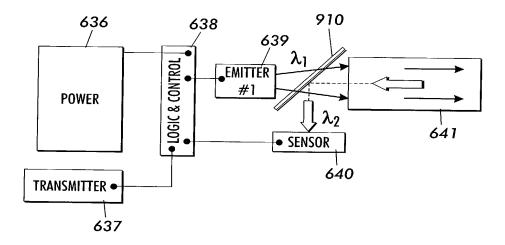
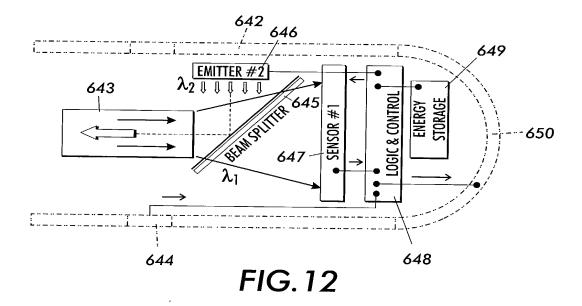
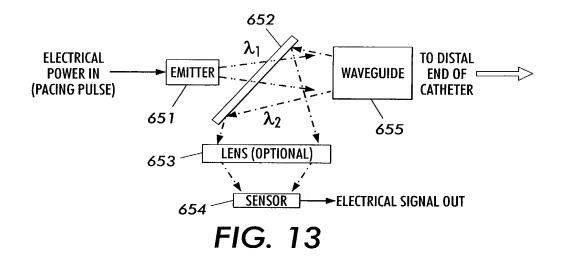


FIG. 11





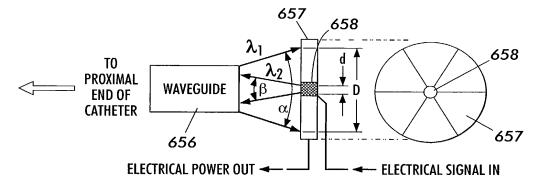


FIG. 14

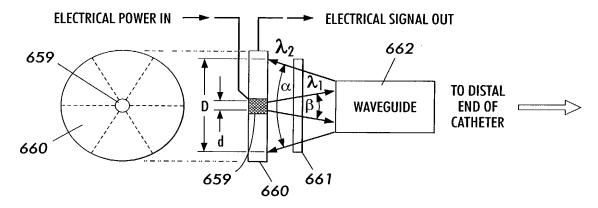


FIG. 15

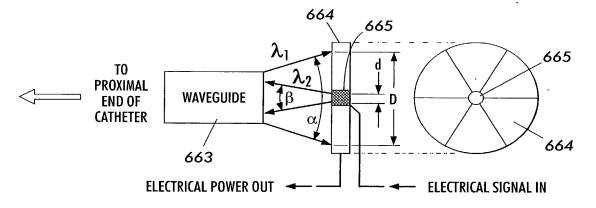
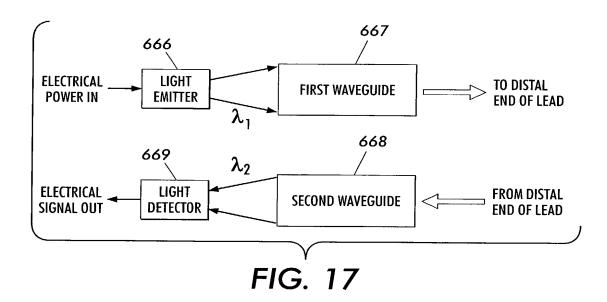
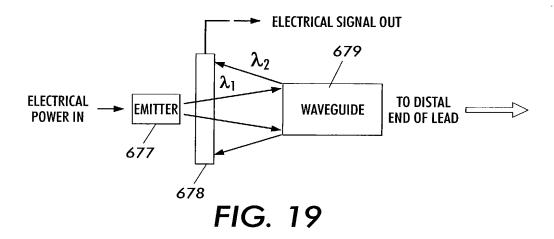


FIG. 16



671 670 FROM PROXIMAL END OF LEAD **FIRST WAVEGUIDE ELECTRICAL POWER OUT** 673 672 λ_2 TO PROXIMAL LIGHT **ELECTRICAL SECOND WAVEGUIDE END OF LEAD** EMITTER SIGNAL IN FIG. 18



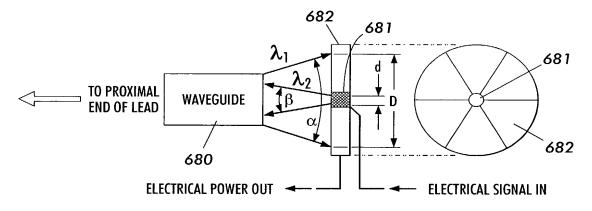


FIG. 20

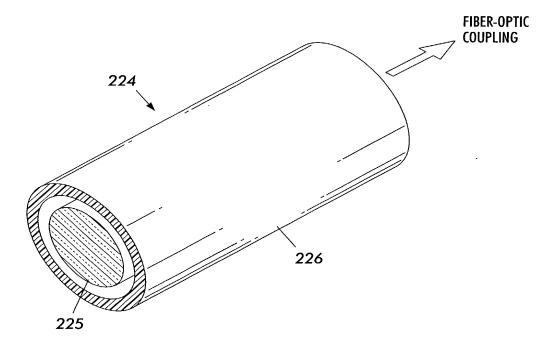


FIG. 21

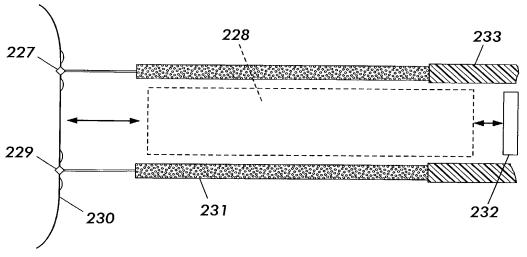
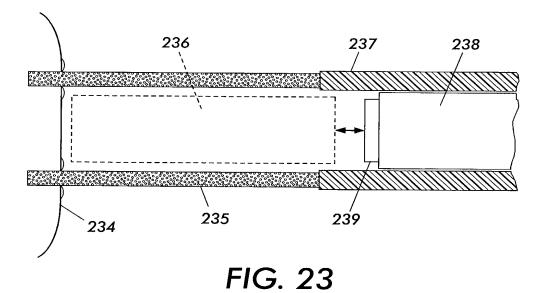


FIG. 22



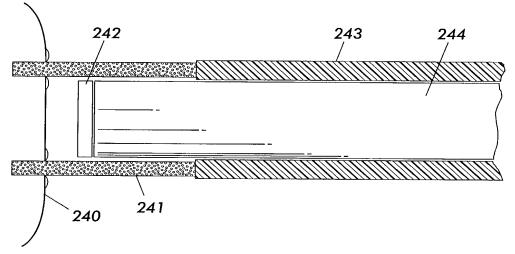


FIG. 24

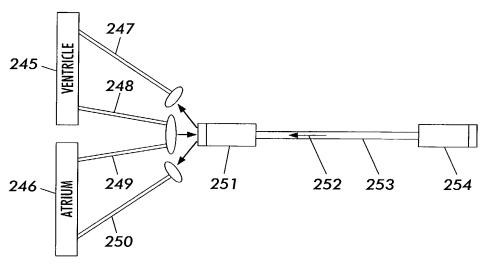


FIG. 25

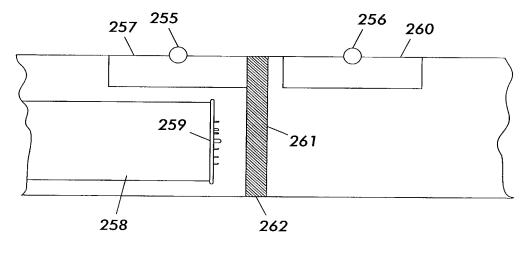
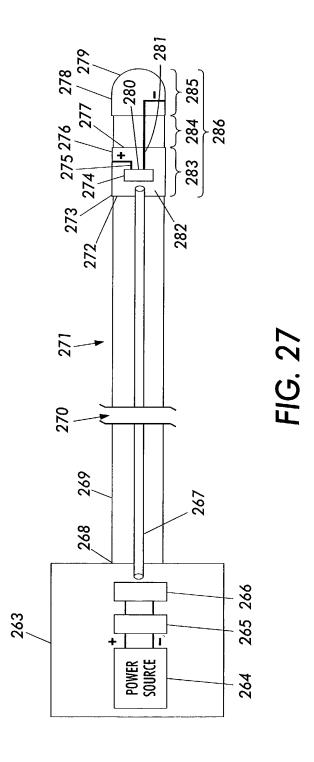


FIG. 26



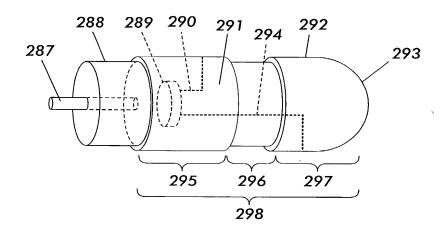
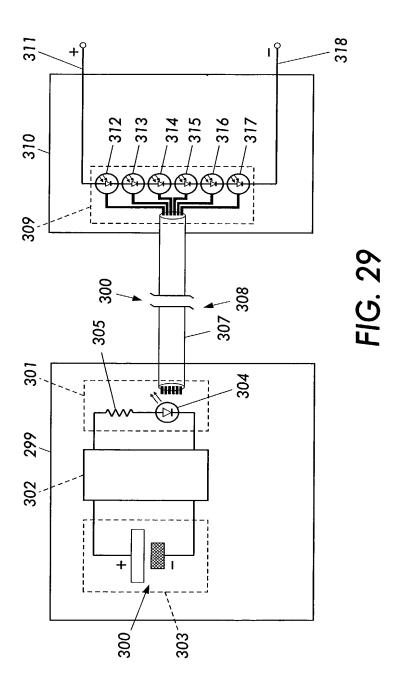
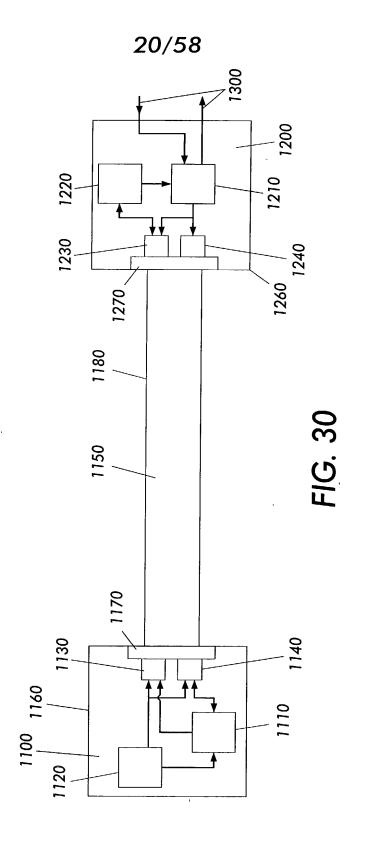


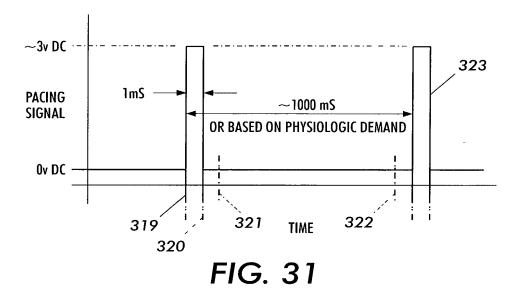
FIG. 28

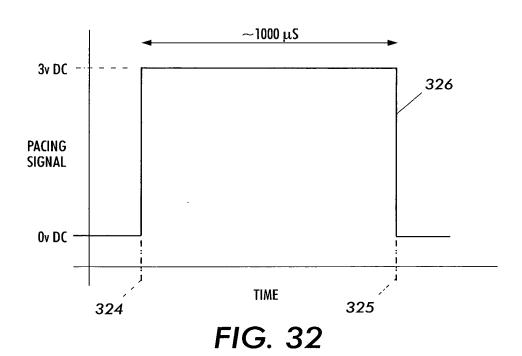
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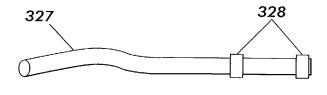
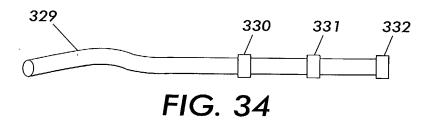


FIG. 33



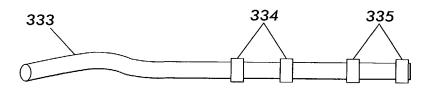


FIG. 35

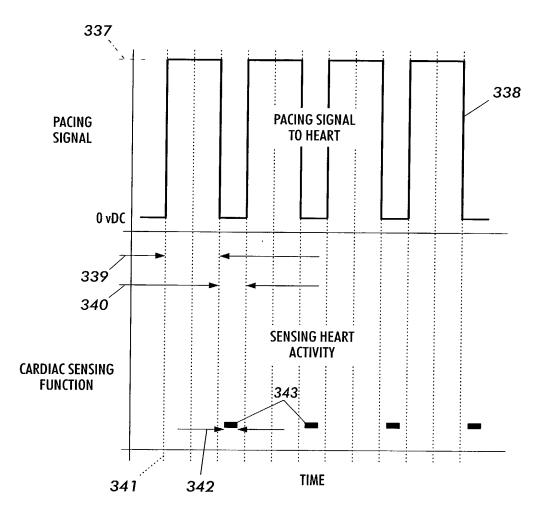


FIG. 36

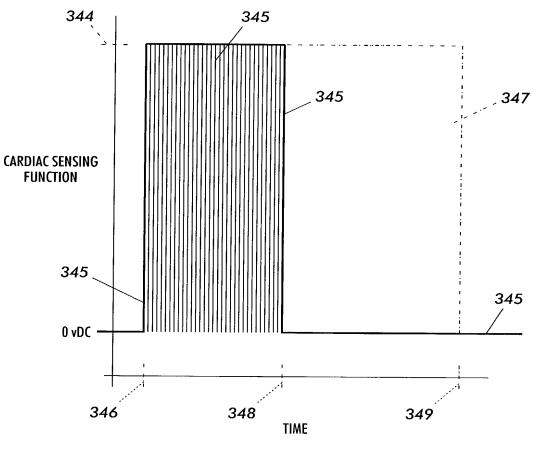


FIG. 37

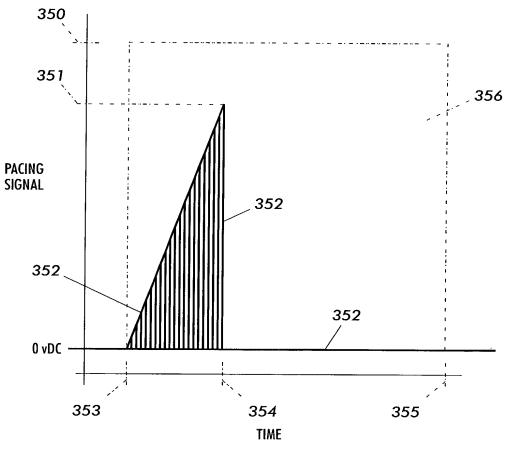


FIG. 38

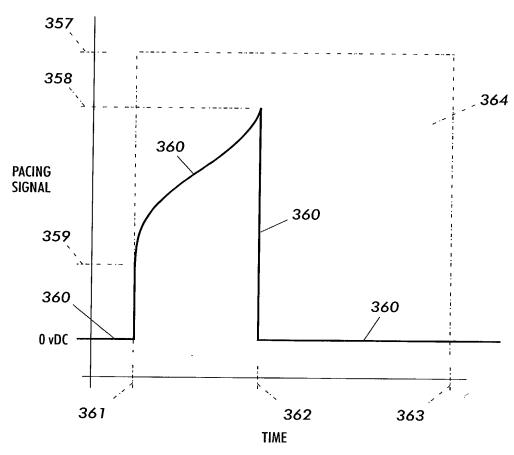
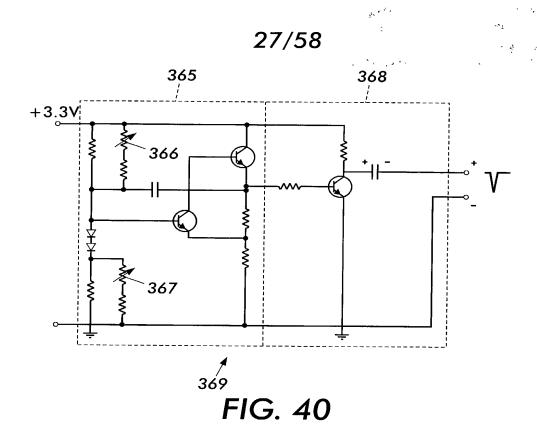
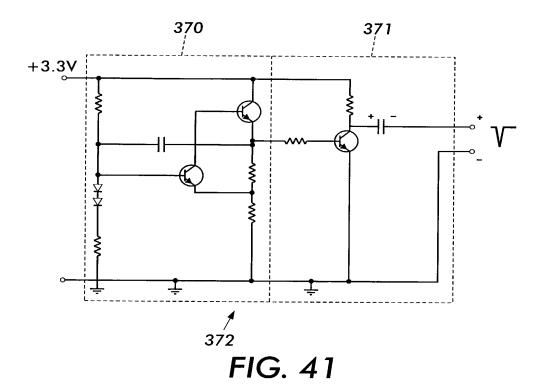
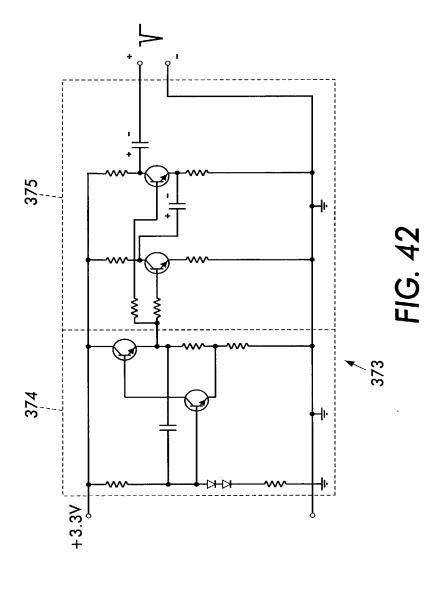


FIG. 39





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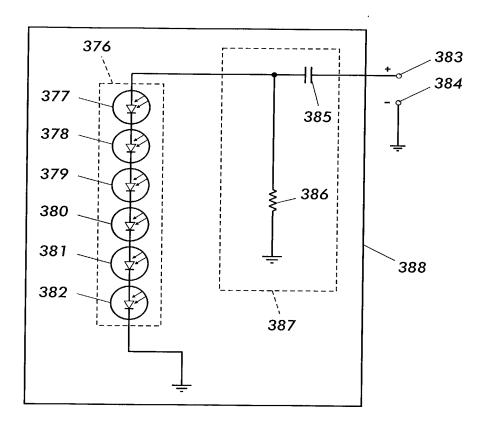


FIG. 43

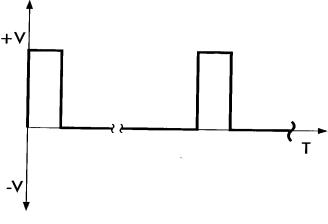


FIG. 44

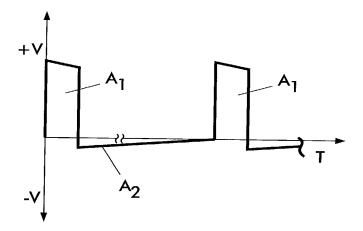


FIG. 45

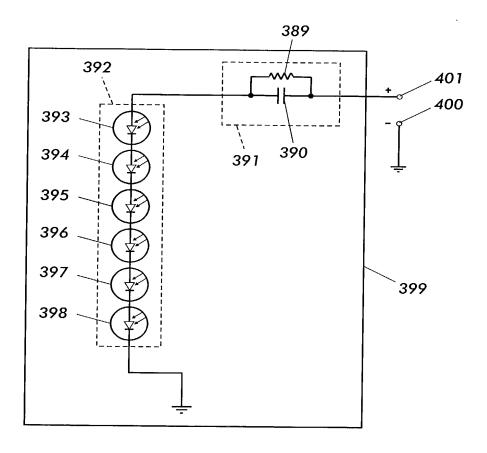


FIG. 46

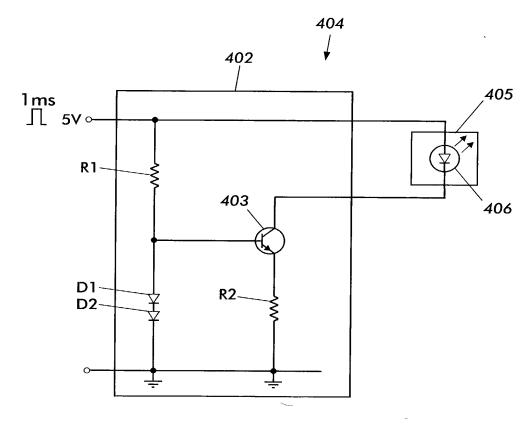
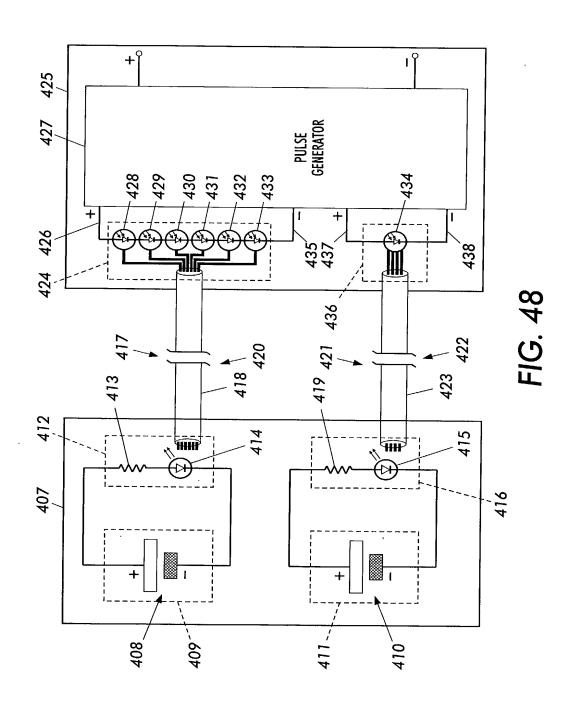
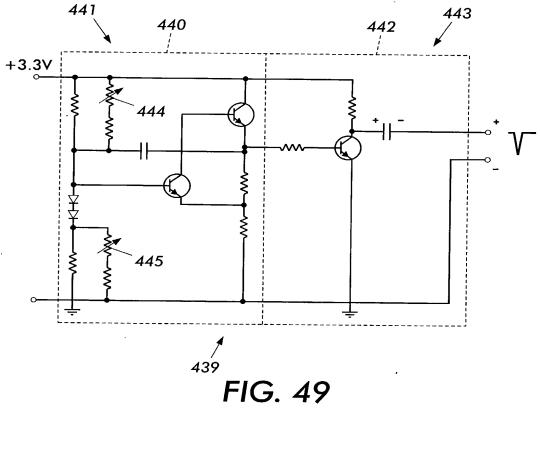


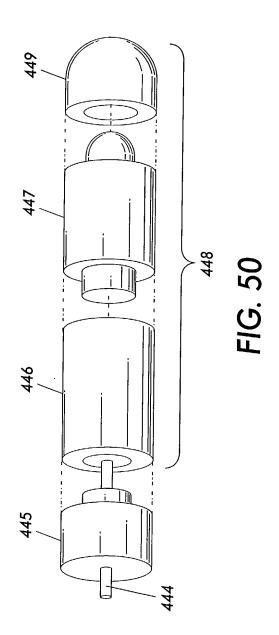
FIG. 47

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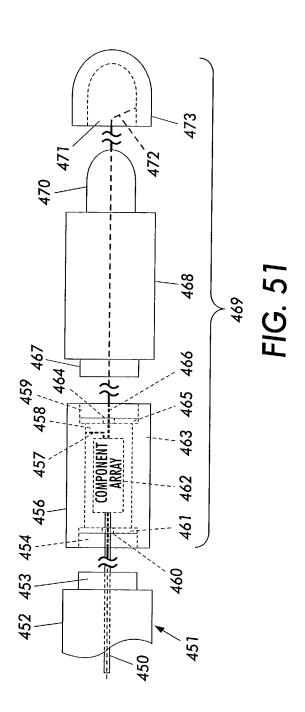


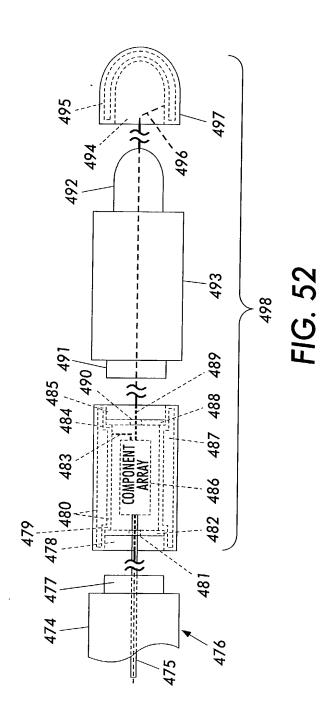


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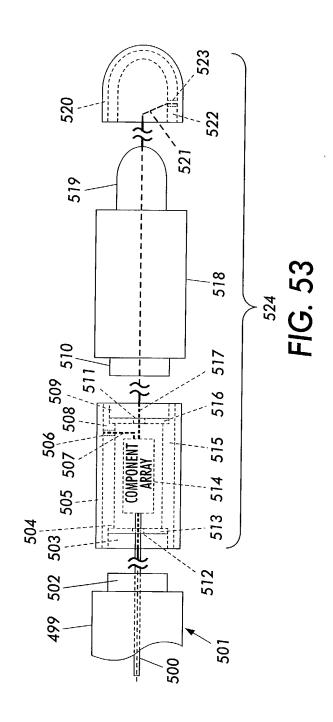


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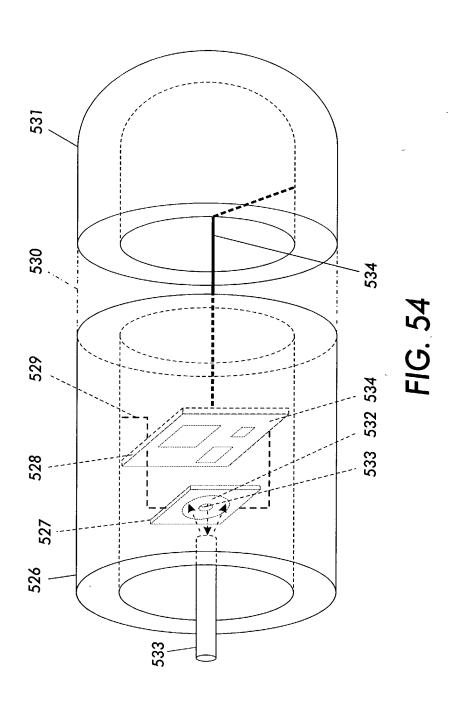


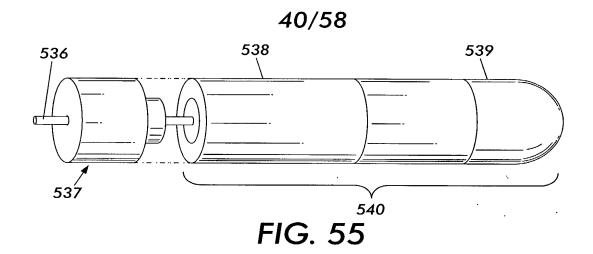


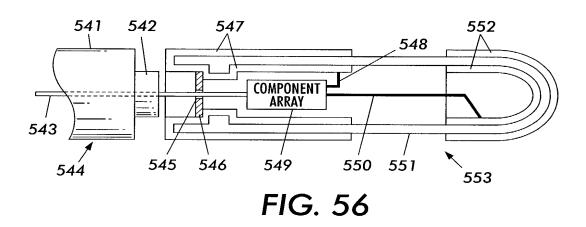
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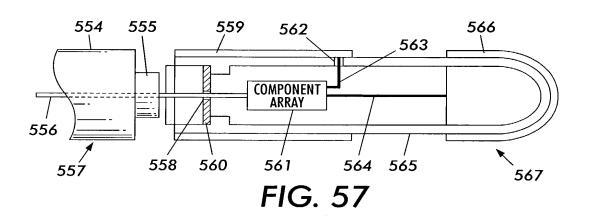


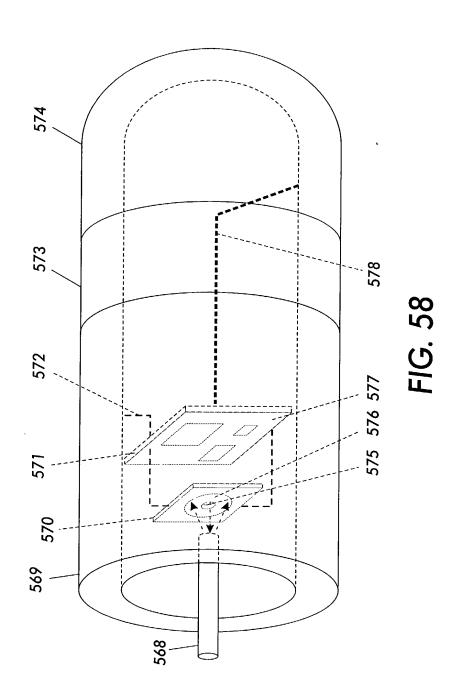
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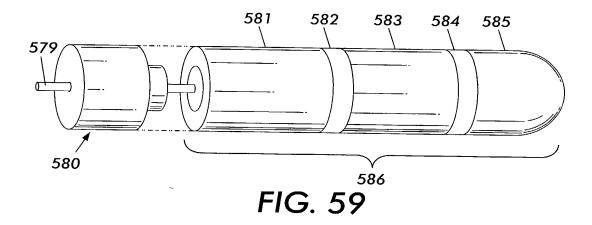


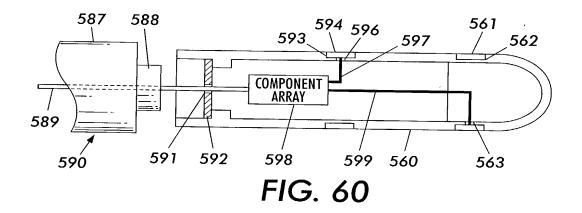


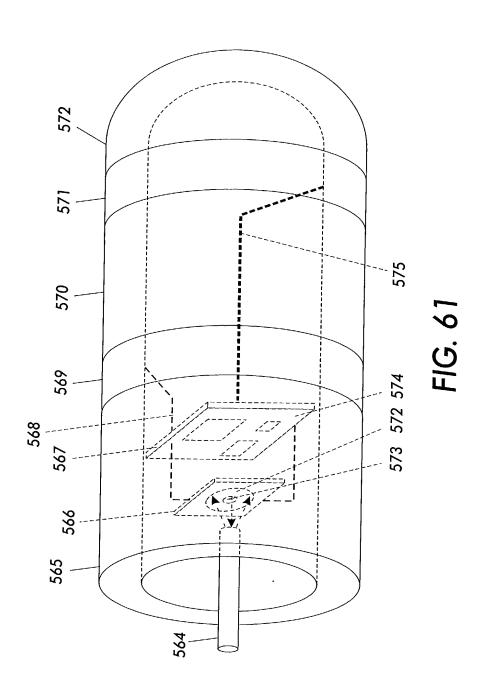




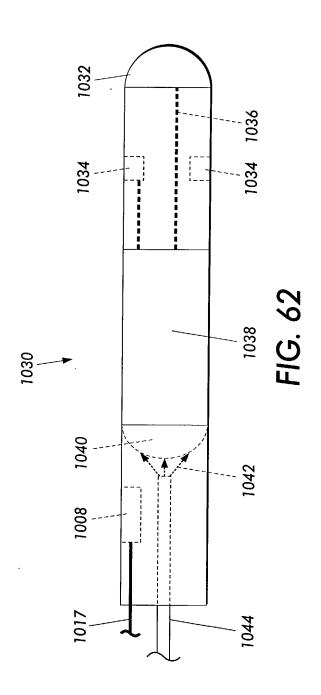


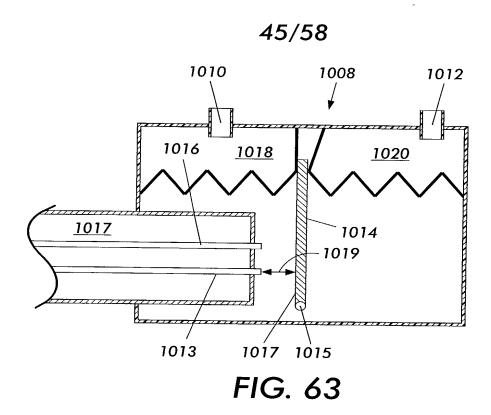


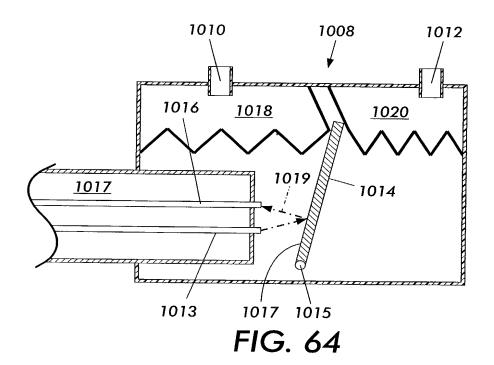




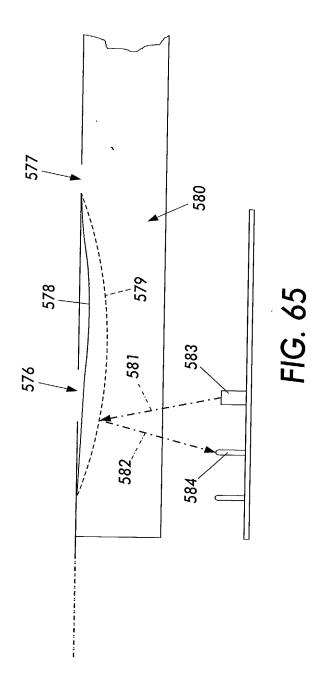
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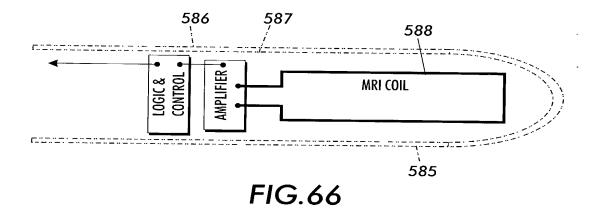


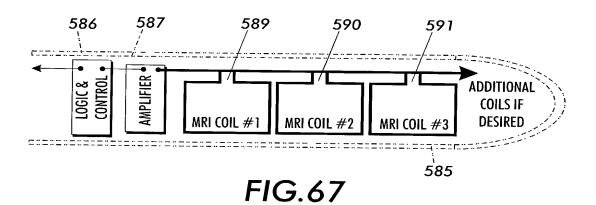


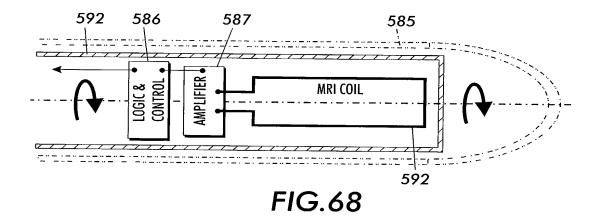


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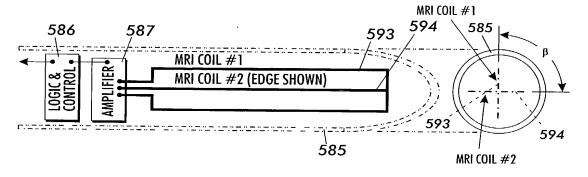


FIG.69

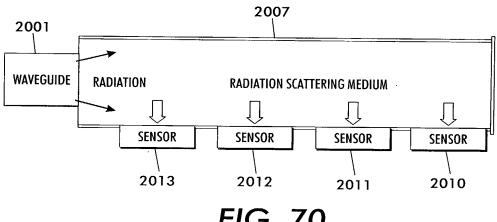


FIG. 70

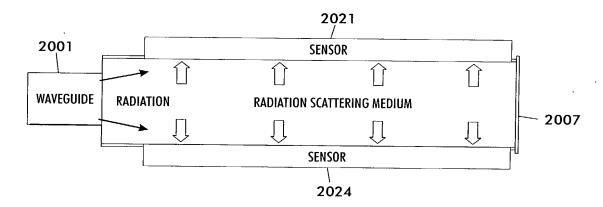


FIG. 71

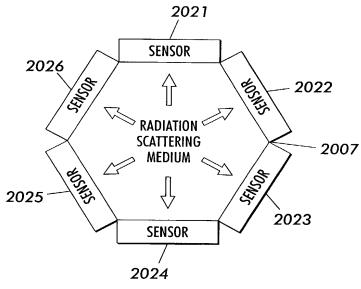


FIG. 72

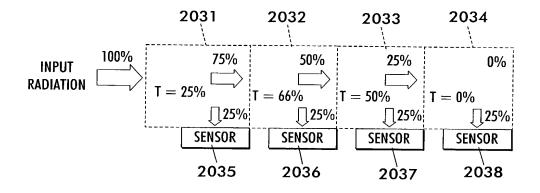
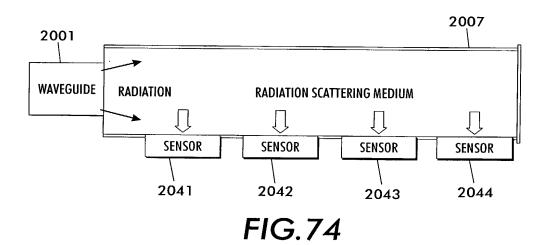


FIG.73



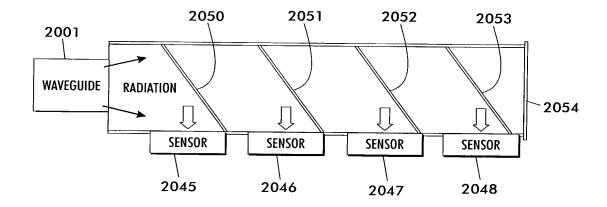


FIG.75

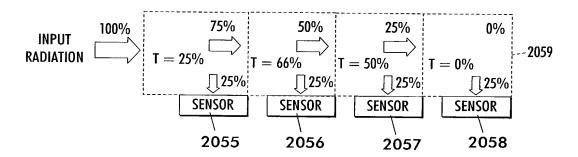


FIG.76

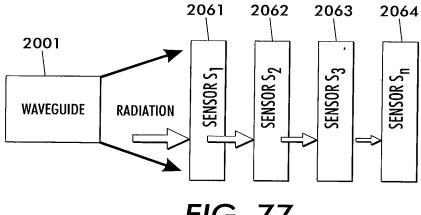


FIG. 77

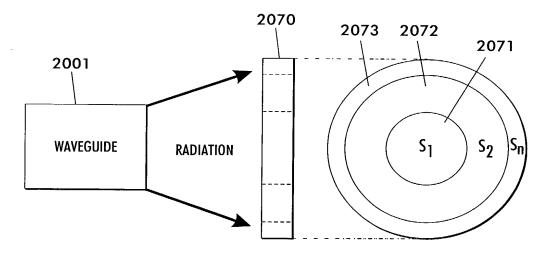


FIG. 78

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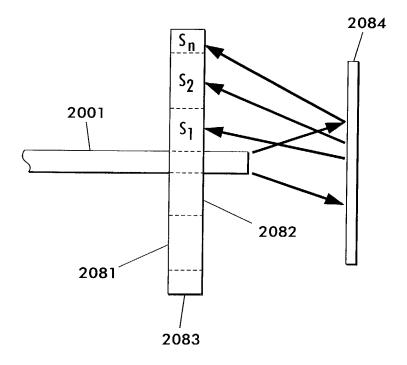


FIG. 79

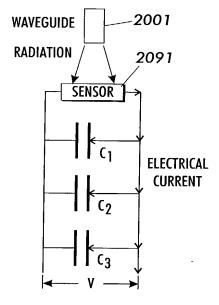


FIG.80

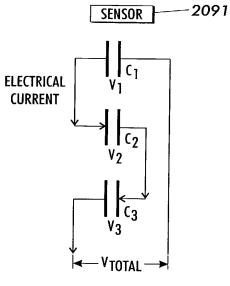
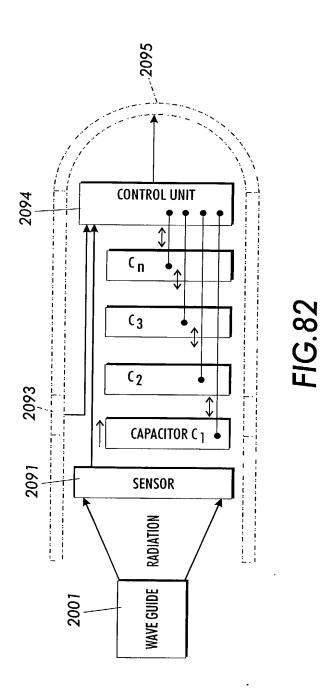
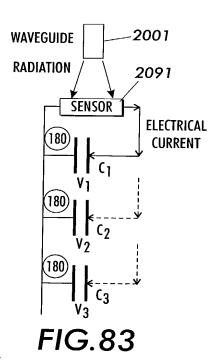
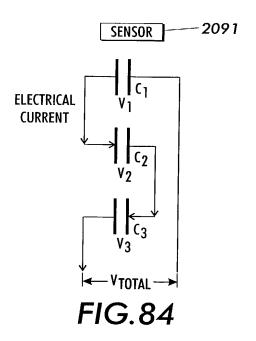


FIG.81

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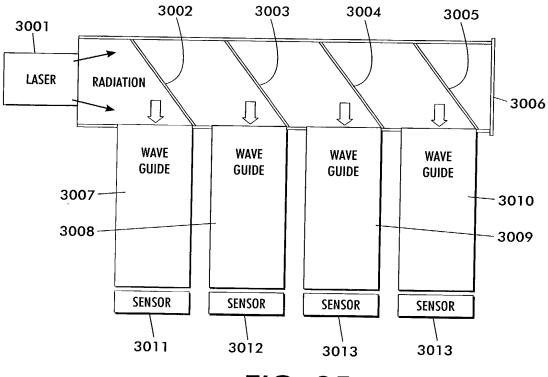


FIG. 85